

Protein SCAR4 (SCAR4), Recombinant Protein

Cat *RP05280*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Protein SCAR4 (SCAR4) , partial

Product Gene Name

SCAR4 recombinant protein

Product Synonym Gene Name

SCAR4

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

128,618 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Protein

NCBI Accession

NP_001318456.1

NCBI GI

1063729337

NCBI GenBank Nucleotide

NM_001342607.1

NCBI GeneID

831687

NCBI Official Full Name

SCAR family protein 4

NCBI Official Symbol

SCAR4

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Protein SCAR4 (SCAR4), Recombinant Protein

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ATSCAR4; F7A7.250; F7A7_250; SCAR family protein 4; WAVE3

NCBI Protein Information

SCAR family protein 4

NCBI Summary

Encodes a member of the SCAR family. These proteins are part of a complex (WAVE) complex. The SCAR subunit activates the ARP2/3 complex which in turn act as a nucleator for actin filaments.

UniProt Gene Name

SCAR4

UniProt Synonym Gene Names

AtSCAR4

UniProt Protein Name

Protein SCAR4

UniProt Synonym Protein Names

Protein WAVE3

UniProt Primary Accession

Q5XPJ6

UniProt Secondary Accession

Q9LCZ7

UniProt Related Accession

Q5XPJ6

UniProt Comments

Involved in regulation of actin and microtubule organization. Part of a WAVE complex that activates the Arp2/3 complex. Regulates trichome branch positioning and expansion.

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